ZEBRONICS MLS755

ZEBRONICS MLS755 Line Interactive UPS System User Manual

Model: MLS755

1. INTRODUCTION

The ZEBRONICS MLS755 is a Line Interactive Uninterruptible Power Supply (UPS) system designed to provide reliable power backup and protection for various electronic devices. This UPS is specifically engineered to support micro-load applications such as WiFi routers, surveillance systems, PoE switches, smart home hubs, VoIP phones, and small NAS devices. It features advanced microcontroller-based control, a wide input voltage range, and a 3-tier battery management system to ensure stable performance and extended battery life.

2. SAFETY INSTRUCTIONS

Please read and follow these safety instructions carefully before installing or operating the UPS. Retain this manual for future reference.

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Do not install the UPS in direct sunlight, near heat sources, or in environments with excessive dust, humidity, or corrosive substances.
- Ensure proper ventilation around the UPS. Do not block ventilation openings.
- Connect the UPS to a grounded AC power outlet only.
- Do not connect appliances that could overload the UPS, such as laser printers or heaters.
- In case of emergency, press the power button to turn off the UPS and disconnect it from the AC power supply.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- ZEBRONICS MLS755 UPS Unit
- User Manual
- Power Cable (if included)

4. PRODUCT OVERVIEW

The ZEBRONICS MLS755 UPS provides essential power protection and backup. Familiarize yourself with its components.

Front Panel

This image displays the front of the ZEBRONICS MLS755 UPS unit. It features a power button centrally located, surrounded by a red indicator light. Above the power button are three smaller indicator lights: red, yellow, and green, which signify different operational statuses. The Zebronics logo is visible at the bottom front.

- **Power Button:** Used to turn the UPS on or off.
- **LED Indicators:** Display the operational status of the UPS (e.g., AC mode, battery mode, fault, overload).

Rear Panel and Connectivity
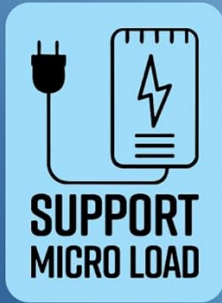
SUPPORT MICRO LOAD

Nominal Voltage	220-240 VAC
Voltage Range	140-300 VAC
Frequency	50/60 Hz
Plug Type	3 Pin Plug
Input Protection	Internal Fuse

Wide Input Range

This image shows the rear panel of the ZEBRONICS MLS755 UPS, highlighting its connectivity ports and a label with key specifications. The specifications listed include Nominal Voltage (220-240 VAC), Voltage Range (140-300 VAC), Frequency (50/60 Hz), Plug Type (3 Pin Plug), and Input Protection (Internal Fuse). The rear panel features multiple output sockets for connecting devices and an input power cord.

- **AC Input:** Connects the UPS to the main power supply.
- **Output Sockets:** Provide power backup and surge protection for connected devices.

Key Features Visualized

This image illustrates the ZEBRONICS MLS755 UPS in an office setting, with a computer monitor and keyboard visible. The text overlay highlights "LED & Audible Alarms," indicating that the UPS provides visual and sound notifications for status changes or issues.

This image depicts the ZEBRONICS MLS755 UPS with two large green arrows forming a circular motion around it, symbolizing its "Auto restart while AC is recovering" feature. This indicates the UPS automatically resumes operation when main power is restored.

Automatic Voltage Regulation (AVR)

This image shows the ZEBRONICS MLS755 UPS with a graphic representation of electrical energy, illustrating the "Automatic Voltage Regulation (AVR)" feature. This function ensures a stable output voltage to connected devices, protecting them from power fluctuations.

This image presents a grid of nine blue squares, each highlighting a key feature of the ZEBRONICS MLS755 UPS. These features include: Line Interactive UPS, Micro-controller Based, Sleep Mode Charging, Cold Start, Generator Compatible, Boost & Buck AVR, Double Boost, Overload Protection, and Simulated Sine Wave.

Product Dimensions
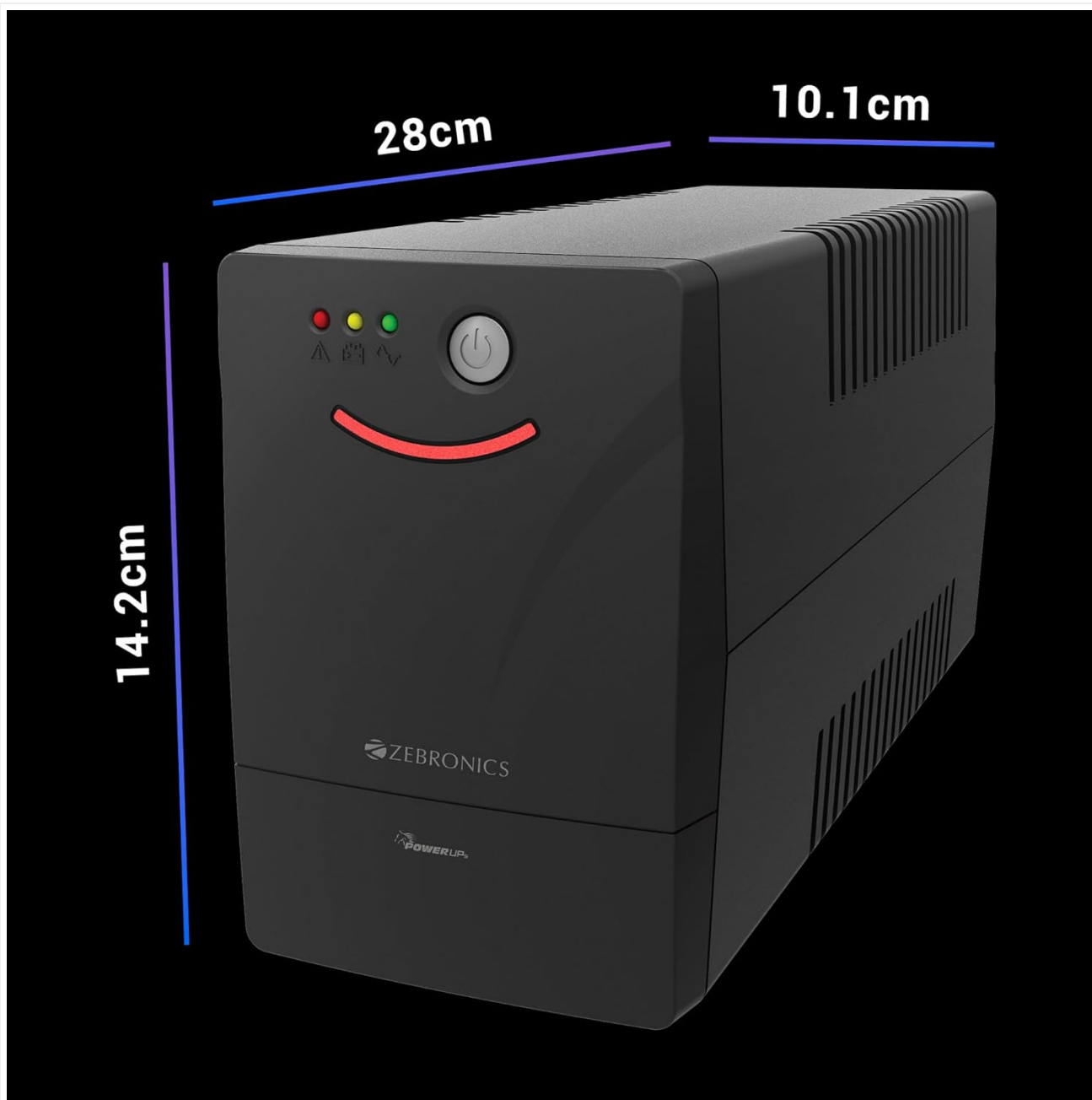
This image provides a dimensional view of the ZEBRONICS MLS755 UPS. The measurements indicated are 14.2 cm (height), 28 cm (depth), and 10.1 cm (width). These dimensions help users understand the physical size of the unit for placement considerations.

5. SETUP

Follow these steps for initial setup of your UPS:

1. **Unpacking:** Carefully remove the UPS from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the UPS on a flat, stable surface in a well-ventilated area, away from direct sunlight, heat, and moisture. Ensure adequate space around the unit for airflow.
3. **Initial Charging:** Connect the UPS to a standard grounded AC power outlet. Allow the UPS to charge for at least 6-8 hours before connecting any devices to ensure optimal battery performance. The UPS will charge whether it is turned on or off.
4. **Connecting Devices:** After initial charging, connect your devices (e.g., WiFi router, desktop PC, monitor) to the output sockets on the rear panel of the UPS. Ensure the total power consumption of connected devices does not exceed the UPS's capacity (600VA / 360W).
5. **Power On:** Press the power button on the front panel to turn on the UPS. The LED indicators will illuminate to

show its status.

6. OPERATING INSTRUCTIONS

Understanding the operation of your ZEBRONICS MLS755 UPS.

Turning On/Off

- **To Turn On:** Press and hold the power button for approximately 2 seconds until the UPS beeps and the indicators light up.
- **To Turn Off:** Press and hold the power button for approximately 2 seconds until the UPS beeps and the indicators turn off.

LED Indicators and Audible Alarms

The UPS provides visual and audible alerts to communicate its status:

- **Green LED:** Indicates AC mode (normal operation, power supplied from utility).
- **Yellow LED:** Indicates battery mode (power supplied from UPS battery during an outage).
- **Red LED:** Indicates a fault, overload, or low battery condition. Refer to the troubleshooting section for details.
- **Audible Alarms:** Various beeping patterns indicate different events such as power failure, low battery, or overload.

Automatic Voltage Regulation (AVR)

The MLS755 features AVR with double boost and buck functionality. This automatically corrects minor power fluctuations (sags and surges) without switching to battery power, thereby extending battery life and providing stable power to your devices.

Auto-Restart Function

When AC power is restored after a power outage, the UPS will automatically restart and resume normal operation, ensuring continuous protection for your connected devices.

Micro Load Support

This UPS is optimized for micro-load devices, ensuring that even low-power equipment like WiFi routers receive stable and continuous power during outages. The ZEB Micro Load Sense System ensures consistent performance across a wide input voltage range.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your UPS.

- **Battery Management:** The MLS755 incorporates an advanced 3-tier battery management system that optimizes charging and discharging cycles, extending battery life by over 30%.
- **Regular Charging:** To maintain battery health, keep the UPS connected to AC power at all times. If the UPS is stored for an extended period, recharge it every three months for at least 6-8 hours.
- **Cleaning:** Periodically clean the exterior of the UPS with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and debris.
- **Battery Replacement:** Batteries are consumable items. When the battery capacity significantly decreases, it may need replacement. Contact authorized service personnel for battery replacement.

8. TROUBLESHOOTING

If you encounter issues with your UPS, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
UPS does not turn on	No AC input; Low battery; Power button not pressed correctly	Check AC power connection; Allow UPS to charge; Press and hold power button for 2 seconds
UPS beeps continuously in AC mode	Overload; Internal fault	Reduce connected load; Contact service center
Short backup time	Battery not fully charged; Battery end-of-life	Charge UPS for 6-8 hours; Consider battery replacement
UPS does not provide power in battery mode	Battery deeply discharged; Internal fault	Allow UPS to charge; Contact service center

If the problem persists after attempting these solutions, please contact ZEBRONICS customer support.

9. SPECIFICATIONS

Detailed technical specifications for the ZEBRONICS MLS755 UPS System:

Feature	Specification
Model	MLS755
Capacity	600VA / 360W
Type	Line Interactive UPS
Input Voltage Range	140-300 VAC
Nominal Voltage	220-240 VAC
Frequency	50/60 Hz (Auto Sensing)
Output Waveform	Simulated Sine Wave
Battery Type	Sealed Lead Acid, Maintenance Free
Average Battery Life (Backup)	Up to 225 minutes (under micro-load conditions)
Charging Time	6-8 hours to 90% capacity
Dimensions (LxWxH)	14.2 x 32.6 x 21.3 cm
Item Weight	3.82 kg
Color	Black
Features	Microcontroller Based, Micro Load Sense, 3-Tier Battery Management, AVR, Double Boost, Auto Restart, Overload Protection, Generator Compatible

10. WARRANTY AND SUPPORT

ZEBRONICS products are manufactured under strict quality standards. This product is covered by a limited warranty from the date of purchase. Please retain your purchase receipt as proof of purchase.

For warranty claims, technical support, or service inquiries, please contact ZEBRONICS customer service. You can find contact information on the official ZEBRONICS website or through your local retailer.

Manufacturer: Zebronics India Private Limited
Address: No.13/7, Smith Road, Royapettah, Chennai - 600 002

Related Documents - MLS755

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	[Zebronics ZEB-MLS750 UPS User Manual - Installation, Features, and Specifications](#) Comprehensive user manual for the Zebronics ZEB-MLS750 Uninterruptible Power Supply (UPS). Learn about safety instructions, installation, product features, specifications, and troubleshooting for reliable backup power.
	[Zebronics ZEB-MLS755 UPS User Manual: Features, Specifications, and Troubleshooting](#) Comprehensive user manual for the Zebronics ZEB-MLS755 Uninterruptible Power Supply (UPS). Learn about safety instructions, installation, product features, specifications, LED indicators, alarms, and troubleshooting tips.
	[Zebronics ZEB-U735 Uninterruptible Power Supply User Manual](#) User manual for the Zebronics ZEB-U735 Uninterruptible Power Supply (UPS), detailing safety instructions, installation, operation, features, specifications, and troubleshooting for reliable power backup.

	[Zebronics ZEB-U725 UPS User Manual: Safety, Installation, Features, and Specifications](#) Comprehensive user manual for the Zebronics ZEB-U725 Uninterruptible Power Supply (UPS). Provides detailed information on important safety instructions, installation procedures, product features, technical specifications, and troubleshooting.
	[Zebronics ZEB-ZC500 Zero Client User Manual](#) User manual for the Zebronics ZEB-ZC500 Zero Client, detailing its features, specifications, setup, networking, and management tool.
	[Zebronics ZEB-ME10000LD Power Bank User Manual](#) User manual for the Zebronics ZEB-ME10000LD 10000mAh power bank, detailing features, specifications, charging instructions, and safety notes.

Documents - ZEBRONICS – MLS755

[Zebronics ZEB-MLS755 UPS User Manual: Features, Specifications, and Troubleshooting](#)
Comprehensive user manual for the Zebronics ZEB-MLS755 Uninterruptible Power Supply (UPS). Learn about safety instructions, installation, product features, specifications, LED indicators, alarms, and troubleshooting tips.
lang: score:29 filesize: 3.57 M page_count: 9 document date: 2024-10-08
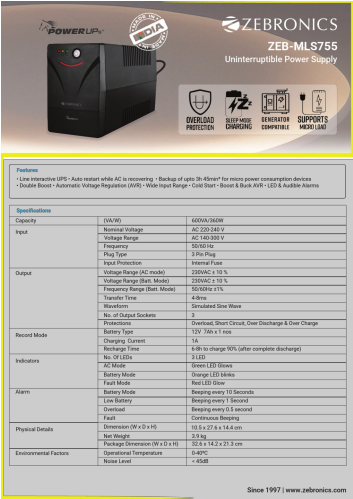
[Zebronics ZEB-MLS755 Uninterruptible Power Supply - Specifications and Features](#)
Detailed specifications and features of the Zebronics ZEB-MLS755 Uninterruptible Power Supply (UPS), including input/output details, protections, indicators, and physical specifications.
lang:en score:25 filesize: 587.19 K page_count: 1 document date: 2025-07-26